

# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: FOLTYN

In re Application of:	)	
ROMAN FOLTYN et al.	)	
Appl. No.: 10/595,486	)	
Filed:	)	Group Art Unit:
For: TEMPORALLY PRECISE EXECUTION OF	)	Confirm. No: 1305
A MEASURING OR CONTROL ACTION,	)	
AND SYNCHRONISATION OF A	)	
PLURALITY OF SUCH ACTIONS	)	

### INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the references listed on enclosed form PTO-1449 which were cited in the International Search Report issued by the European Patent Office with regard to the corresponding International patent application No. PCT/EP2004/011649, respectively. Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

- ☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.
- ☒ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.
- ☐ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.
- ☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.
- ☐ The undersigned submits the following statement requesting consideration of this statement:  
The undersigned hereby states:
  - ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;
  - ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

- ☐ The fee of \$180.00 set forth in 1.17(p).
- ☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith submits a copy of the International Search Report. In addition, applicant notes with respect to any information that is not in English language as follows:

German Patent No. DE 196 13 734 describes a device for time-synchronized determination of electric signals, including a radio-controlled clock (5,6) connected to a frequency-locked loop (7,8) with a processor (9,10) and a controllable oscillator (11,12) at each site (1,2). At a predetermined instant, each processor produces an activation signal (31,32) for an output switching circuit (13,14). Consequently, a starting signal (S) is produced (15,16) simultaneously at each site, where the quantity (M1,M2) to be measured is switched (21,22) electronically to a sample-and-hold circuit (19,20) activated (17,18) by a sampling clock pulse (T). The oscillator may be crystal-controlled with an input digital-analogue converter and an output frequency divider.

German Patent No. DE 693 07 956 corresponds to U.S. Pat. No. 5,548,562 to Helgerud et al. and describes a method for synchronization of seismic surveys, wherein the systems are composed of subsystems and may be land-based or marine, consists in the survey system being supplied with an absolute time standard and a time code based on the absolute time standard being generated in the survey system. There is further provided at least one programmable event generator in the survey system and this is synchronized with the absolute time standard. The time for a specific event is predetermined on the basis of given parameters and supplied with the time code which corresponds to this time. The

time for a determined event is then supplied to the subsystems which are also provided with the absolute time standard. The event can thereby be executed in one or more of the subsystems on the basis of the supplied absolute time standard and synchronization is obtained with the desired accuracy. It is thus possible to synchronize shot times in a seismic signal generating system, and synchronize the shot recording time and sampling times in a seismic data recording system. It is also possible to determine the exact time of actually occurring events in a system for seismic surveys.

German Offenlegungsschrift DE 198 47 665 describes transmitter-receivers that communicate with each other with an unequivocal and synchronous channel switching sequence. In addition to common switches for signal processing, each transmitter-receiver includes for this purpose a program part (22) for a channel switching sequence and a clock generator device (24, 26) synchronized by a public radio time signal as well as a channel select circuit (20) and a channel switch (10). In case of a call, the receiving and the transmitting devices are adjusted to a given channel switching sequence depending on the identification number of the receiving device so that participation of other devices is excluded. Channel switching is effected at a relatively high frequency of approximately 1 MHz.

German Patent No. DE 198 41 262 describes a system for processing geographic position data and images. An electronic circuit (5) has a first circuit part (19) for input of geographic position data and for output of position data with image data in an appropriate form for common recording and/or transmission and a second circuit part (30-35) for input of recorded position data with image data and for their output in computer-readable form. The system also includes a computer program designed to display at least one digital map (44) on a screen (12), to display the recording site of images or image sequences represented by the image data on the at least one map and to display the corresponding images or image sequences when the user selects a recording site.

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Appl. No.: 10/595,486

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By: 

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Agent for Applicant  
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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/595,486
Filing Date	
First Named Inventor	Roman Foltyń
Art Unit	
Examiner Name	
Attorney Docket Number	FOLTYN

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	5	US-005650981	01-08-1993	Precision Seismic, Inc.	
	6	US-005629626	07-12-1994	Geo-Centers, Inc	
	9	US-005440313	05-27-1993	Stellar GPS Corporation	
	10	US-005878313	09-30-1997	Trimble Navigation Limited	
	11	US-006101587	11-06-1997	Anthony Charles Leonid Fox	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	1	DE-198 13 734	08-28-1997	IMC Meßsysteme GmbH		
	2	DE-693 07 856	05-22-1997	Geco A.S.		
	3	DE-198 47 665	05-04-2000	europ1el Communication Systems GmbH		
	4	DE-198 41 262	12-28-2000	IBS Integrierte Business Systeme GmbH		
	7	JP-2002148372	05-22-2002	HAKUSAN KOGYO KK		
	8	WO- 03/012480	02-13-2003	FUMI, Eugenio		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.